

Converting Colors

$Yxy(63.6781, 0.2276, 0.3095)$

Have a look what the booklet for
Yxy(63.6781, 0.2276, 0.3095)
contains.

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Color

Yxy(63.9099, 0.2276, 0.3098)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 47E5F4 |
| RGB | 71, 229, 244 |
| RGB Percent | 28%, 90%, 96% |
| CMY | 0.7209, 0.1020, 0.0432 |
| CMYK | 0.71, 0.06, 0.00, 0.04 |
| HSL | 185°, 89%, 62% |
| HSV | 185°, 71%, 96% |
| XYZ | 46.9525, 63.9099, 95.4316 |
| YIQ | 183.4680, -98.9830, -28.8310 |

Conversions

Conversions Part 2

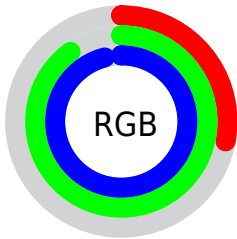
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 71, 154, 244 |
| Decimal | 4711924 |
| CIE Lab | 83.92, -35.43, -19.13 |
| CIE LCh | 84, 40.263, 208.361 |
| Yxy | 63.9099, 0.2276, 0.3098 |
| Android (android.graphics.Color) | 4282902004 (0xFF47E5F4) |
| YUV | 183.4680, 29.8423, -98.6344 |
| Hunter-Lab | 79.9437, -35.0648, -14.8160 |

Details

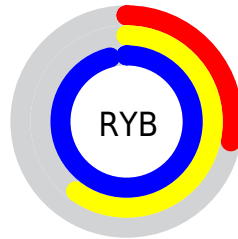
The Yxy color **63.9099, 0.2276, 0.3098** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.3654, 0.5425, 0.3423**, and the grayscale version is **47.5227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **33.5180, 0.2177, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **62.0018, 0.2223, 0.3068**, and if you desaturate by 10%, it is **66.2073, 0.2349, 0.3128**.

Distribution



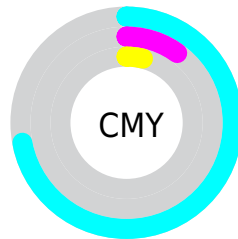
- Red (28%)
- Green (90%)
- Blue (96%)



- Red (28%)
- Yellow (60%)
- Blue (96%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)





- Cyan (72%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9099, 0.2276, 0.3098 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 63.9099, 0.2276, 0.3098 by changing the saturation by 10% instead.


 63.9099, 0.2276,
0.3098

 63.9099, 0.2276,
0.3098


438.8642, 0.2665,
0.3202

 46.5777, 0.2189,
0.3071


 110.4812, 0.2409,
0.3137


 32.7019, 0.2083,
0.3035


 140.4890, 0.2462,
0.3151

 21.8982, 0.1951,
0.2988


 175.4909, 0.2507,
0.3163

 13.7821, 0.1784,
0.2921

 215.8712, 0.2547,
0.3173

 7.9693, 0.1564,
0.2823

262.0142, 0.2581,
0.3182

 4.0753, 0.1270,
0.2668

314.3045, 0.2612,

 1.7158, 0.0841,

0.3189

0.2407

373.1264, 0.2640,
0.3196

■ 0.4338, 0.0000,
0.1725

■ 0.0000, 0.0000,
0.0000

■ 63.9099, 0.2276,
0.3098

■ 63.9099, 0.2276,
0.3098

■ 62.0018, 0.2223,
0.3068

■ 66.2073, 0.2349,
0.3128

■ 60.4285, 0.2188,
0.3038


■ 68.9265, 0.2441,
0.3158


■ 59.2125, 0.2170,
0.3011


■ 72.1043, 0.2550,
0.3187


■ 75.7716, 0.2675,
0.3215

 79.9566, 0.2813,
0.3241

 84.6851, 0.2960,
0.3266

 89.9815, 0.3114,
0.3288

 93.6525, 0.3197,
0.3309

 94.9462, 0.3196,
0.3329

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9099, 0.2552, 0.3603



63.9099, 0.2276, 0.3098



63.9099, 0.2213, 0.2707

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9099, 0.2276, 0.3098



63.9099, 0.3201, 0.2676



63.9099, 0.3914, 0.4085

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.9099, 0.2276, 0.3098



26.3654, 0.5425, 0.3423

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9099, 0.4130, 0.3764



63.9099, 0.2276, 0.3098



63.9099, 0.3705, 0.2982

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.9099, 0.2276, 0.3098



63.9099, 0.2713, 0.2506



63.9099, 0.4057, 0.3367



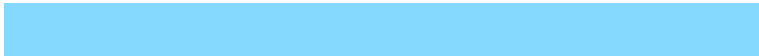
63.9099, 0.3492, 0.4210

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.9099, 0.2276, 0.3098



63.9099, 0.2291, 0.2552



63.9099, 0.4057, 0.3367



63.9099, 0.4014, 0.3993

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.9123, 0.2276, 0.3098



88.2933, 0.2810, 0.3241



66.6996, 0.2978, 0.5424



18.6124, 0.2771, 0.3233



0.0000, 0.0000, 0.0000



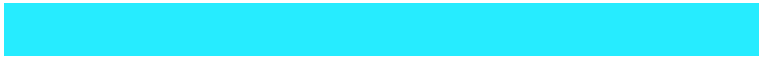
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9123, 0.2276, 0.3098



67.7469, 0.2206, 0.3055



27.5719, 0.1975, 0.1892



18.4976, 0.2981, 0.3269



32.3048, 0.2171, 0.3016



2.9102, 0.2181, 0.3053

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.4134, 0.3355, 0.1837



28.7304, 0.3402, 0.1711



49.1809, 0.4623, 0.4275



16.7421, 0.3151, 0.3077



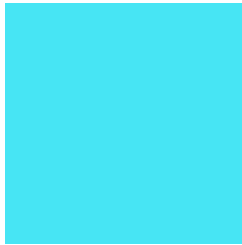
13.3606, 0.3440, 0.1669



1.1814, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 63.9099, 0.2276, 0.3098 looks on a white background.

Color Contrast Check

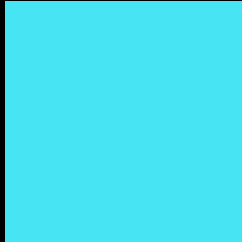
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 63.9099, 0.2276, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

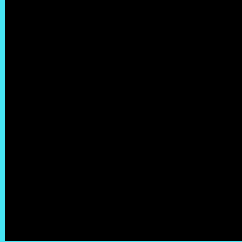
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9099, 0.2276, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 63.9099, 0.2276, 0.3098.

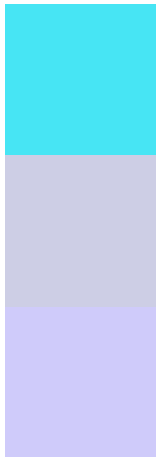


This preview shows how white text looks on a background with the Yxy color 63.9099, 0.2276, 0.3098.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

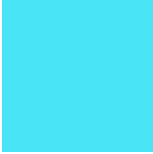
63.9099, 0.2276, 0.3098

Protanopia

62.7789, 0.2963, 0.3030

Deuteranopia

62.8794, 0.2842, 0.2777



Tritanopia

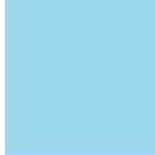
64.1705, 0.2269, 0.3062

Trichromacy



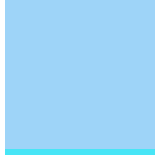
Original Color

63.9099, 0.2276, 0.3098



Protanomaly

61.1016, 0.2623, 0.3046



Deuteranomaly

61.1334, 0.2557, 0.2864



Tritanomaly

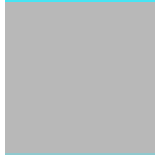
64.0702, 0.2270, 0.3074

Monochromacy



Original Color

63.9099, 0.2276, 0.3098



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.6044, 0.2682, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9099, 0.2276, 0.3098 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 229, 244)` looks like.

```
.text, #text, p{  
    color:rgb(71, 229, 244)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 229, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 229, 244) }
```

Border

The CSS property to change the border of an element to Yxy 63.9099, 0.2276, 0.3098 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 229, 244) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(71, 229, 244) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(71, 229, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 229, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 229, 244);  
box-shadow:4px 4px 4px 4px rgb(71, 229,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9099, 0.2276, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 229, 244) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 229,  
244) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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